

PA-SHT REV 3

CONDUIT AND CABLE SCHEDULE STAGE II AND III															
CONDUIT DESIGNATION	CIRCUIT No.	FROM	TO	SERVICE	CONDUIT NUMBER OF SETS	CONDUIT SIZE	CABLE (PER COT.) OR BUSWAY NUMBER & SIZE	TYPE	REMARKS	CONDUIT DESIGNATION	CIRCUIT No.	FROM	TO	SERVICE	CABLE (PER COT.) OR BUSWAY NUMBER & SIZE
MEDIUM VOLTAGE 15KV CABLE (SEE DWG. #E-11, RISER DIAGRAM)										FDR'S - TRANSFER FROM EXIST. SWGR					
PF-A1B	—	EXIST. 15KV SPLICE CABINET	BKR. #HV-B1	13.BKV	1	4"	3-350MCM 1-#1/0	EPR GND.	"Y" SPLICE TO EXISTING RISER CABLE	1-6	1-6	SWGR. BUS #1	PNL. OP-41N	480/ 277V	4-500MCM 1-#2/0
PF-A1B TEMP	—	BKR. #HV-B1	EXIST. TR-1	13.BKV	1	4"	3-350MCM 1-#1/0	EPR GND.	TEMPORARY FDR.	R-7	1-3	SWGR. BUS #1	C.T. CABINET IN SS-41N	480V	3-500MCM 1-#1/0
PF-A2B	—	EXIST. 15KV SPLICE CABINET	BKR. #HV-B2	13.BKV	1	4"	3-350MCM 1-#1/0	EPR GND.	"Y" SPLICE TO EXISTING RISER CABLE						
PF-A2B TEMP	—	BKR. #HV-B2	EXIST. TR-2	13.BKV	1	4"	3-350MCM 1-#1/0	EPR GND.	TEMPORARY FDR.						
PF-A3B	—	EXIST. 15KV SPLICE CABINET	BKR. #HV-B3	13.BKV	1	4"	3-350MCM 1-#1/0	EPR GND.	"Y" SPLICE TO EXISTING RISER CABLE	FDR'S - TRANSFER FROM EXIST. SWGR B					
PF-A3B TEMP	—	BKR. #HV-B3	EXIST. TR-3	13.BKV	1	4"	3-350MCM 1-#1/0	EPR GND.	TEMPORARY FDR.	R-10	EL-1	SWGR. BUS #EL	EXIST. P.B. #1	480V	3-250MCM 1-#2
PF-A4B	—	EXIST. 15KV SPLICE CABINET	BKR. #HV-B4	13.BKV	1	4"	3-350MCM 1-#1/0	EPR GND.	"Y" SPLICE TO EXISTING RISER CABLE	R-11	EL-2	SWGR. BUS #EL	EXIST. P.B. #1	480V	3-500MCM 1-#1/0
PF-A4B TEMP	—	BKR. #HV-B4	EXIST. TR-4	13.BKV	1	4"	3-350MCM 1-#1/0	EPR GND.	TEMPORARY FDR.	R-12	EL-3	SWGR. BUS #EL	EXIST. P.B. #1	480V	3-500MCM 1-#1/0
FDR'S - TRANSFER FROM EXIST. SWGR "L" BUS (SEE DWG. #E-12, ONE LINE DIAGRAM)										R-13	EL-4	SWGR. BUS #EL	ELEV. DISTRIBUTION PNL. #EL-AA2W	480V	3-350MCM 1-#2/0
L-1	3-5	SWGR. BUS #3	ATS #41NL	480V	4	3 1/2"	3-500MCM 1-250MCM	XHHW-2 GND.	◇ VIA P.B. #2, USING EXIST. 3 1/2" C. FROM P.B. #2 TO PNL.	EMERG. POWER FDR'S FROM ELEC. C					
	—	ATS #41NL	EDP #EL-AA1EW-A	480V	4	3 1/2"	3-500MCM 1-250MCM	XHHW-2 GND.		A-2	—	EXIST. POW. CONTR. EPC-41A	ATS-41NL	480V	3-500MCM 1-#2/0
L-3-TEMP	4-6	SWGR. BUS #4	EXISTING TRANSF. #TR-L3	480V	2	3 1/2"	3-500MCM 1-#2/0	XHHW-2 GND.	◇ PROVIDE CABLE LUGS AT SWGR. BREAKER	A-3	—	EXIST. P.B. #1	ATS-41NR	480V	3-#3/0
L-3	4-1	SWGR. BUS #4	TRANSF. #TR-L3	480V	2	3 1/2"	3-500MCM 1-#2/0	XHHW-2 GND.		F-CP-41-N					
L-3	—	CB-L3	EXIST. 1600A BUSWAY	208/ 120V	1	—	2000A BUSWAY	3# F.N. GND.	◇		—	P.B. "A"	DISC. SW. NORM. & U.P.S.	208V	2-#2
L-4a	4-2	SWGR. BUS #4	BUSWAY CAP	480/ 277V	1	—	2000A BUSWAY	3# F.N. GND.	◇	UPS-41N	—	U.P.S.	PANEL CP-41N	120/ 240V	1-#B
L-4b	3-2	SWGR. BUS #3	EXIST. 1600A BUSWAY	480/ 277V	1	—	2000A BUSWAY	3# F.N. GND.	◇	CP-41-BP-					
L-7	4-4	SWGR. BUS #4	MCC-MN41L	480V	3	3 1/2"	3-500MCM 1-#3/0	XHHW-2 GND.				PULL BOX	UPS-SS41N	120/ 240V	3-#2
R-1-TEMP	3-3	SWGR. BUS #3	EXISTING TRANSF. #TR-R1	480V	2	3 1/2"	3-500MCM 1-#2/0	XHHW-2 GND.	◇ PROVIDE CABLE LUGS AT SWGR. BREAKER	F-SB-NW	—	PANEL #E-41A	PULL BOX	208/ 120V	3-#4/0 1-#2
FDR'S - TRANSFER FROM EXIST. SWGR "R" BUS (SEE DWG. #E-12, ONE LINE DIAGRAM)										TEMPORARY 480/277V. BUSW					
R-1	2-1	SWGR. BUS #2	TRANSF. #TR-R1	480V	2	3 1/2"	3-500MCM 1-#2/0	XHHW-2 GND.		T.B.	1-2	SWGR. BUS #3 4000A 600V BUSWAY	EXIST. COLLECTOR BUSWAY	480/ 277V	4000A BUSWAY
R-1	—	CB-R1	EXIST. 1600A BUSWAY	208/ 120V	1	—	2000A BUSWAY	3# F.N. GND.	◇						
R-2a	1-2	SWGR. BUS #1	EXIST. 2000A BUSWAY	480/ 277V	1	—	2000A BUSWAY	3# F.N. GND.	◇						
R-2b	2-2	SWGR. BUS #2	EXIST. 1600A BUSWAY	480/ 277V	1	—	2000A BUSWAY	3# F.N. GND.	◇						
P-3	2-7	SWGR. BUS #2	EXIST. P.B. #7	480V	1	3 1/2"	3-500MCM 1-#1/0	XHHW-2 GND.	◇ VIA NEW P.B. #6, USING EXIST. 3 1/2" C. & FOR FROM P.B. #6						
R-4	1-4	SWGR. BUS #1	ATS #41NR	480V	4	3"	3-350MCM 1-#3/0	XHHW-2 GND.	RUN FEEDERS BETWEEN EQUIPMENT						
	—	ATS #41NR	SWGR. BUS #EL	480V	4	3"	3-350MCM 1-#3/0	XHHW-2 GND.							
R-5	2-4	SWGR. BUS #2	MCC-MN41R	480V	3	3 1/2"	3-500MCM 1-#3/0	XHHW-2 GND.	◇						
R-BI	2-6	SWGR. BUS #2	EXIST. P.B. #1	480V	1	2 1/2"	3-#4/0 1-#2	XHHW-2 GND.							

1  
2  
3